



Department of Environmental Quality
Water Quality Division

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

August 3, 1976

76-200

Mr. Gary L. Barney
Attorney at Law
First National Bank Building
Lander, Wyoming 82520

Dear Mr. Barney:

Your letter dated July 21, has been referred to me.

After reviewing the preliminary water and sewer plans for Green Mountain Village, I find them to be unacceptable for review at this time. Detailed plans and specifications, which meet our minimum design standards, must be submitted for our review before we can issue a "Permit to Construct." These plans and specifications must be signed by an engineer registered in the State of Wyoming. This is in accordance with the "Wyoming Water Quality Rules and Regulations, 1976, Chapter III" (enclosed).

At the time you are ready to apply for a "Permit to Construct," please fill out and submit the "Application For a Permit to Construct" (enclosed) with your detailed plans and specifications.

If we can be of any help please let us know.

Sincerely,

Handwritten signature of David W. Hill in cursive.

David W. Hill
Environmental Engineer
Water Quality Division

DWH/jo

Enclosures - 1 Chapter III Rules and Regulations
4 Application for a Permit to Construct

cc: Kevin Watts, Architects/Planners, Waterbury Plaza, Suite A, 5600,
Van Winkel Expressway, Salt Lake City, Utah 84121
Bill George, District Sanitarian, P.O. Box 501, Worland, Wyoming 82401

REVIEW OF PLANS AND SPECIFICATIONS

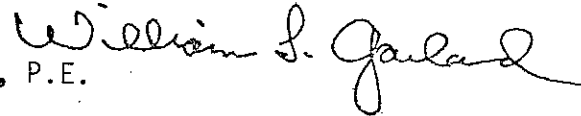
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Green Mountain Village, Mobile Home Community, Fremont County, Wyoming

ARCHITECT OR ENGINEER: James W. Denney, P.E.; Rollins, Brown and Gunnell, Inc.,
1435 West 820 North, Provo, Utah 84601

WATER QUALITY DIVISION REFERENCE NUMBER: 76-200R

REVIEWING ENGINEER: David W. Hill, William L. Garland, P.E.



DATE OF REVIEW: April 22, 1977

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

GENERAL

- 1) Please have owner fill out and submit 2 copies "Application for Permit to Construct....."
- 2) According to our calculations using the insurance services office "Guide for Determination of Required Fire Flow," the fire flow should be at least 750 gpm. Please comment.
- 3) Once actual operations begin, please notify Mr. Robert Pinther of this office to get Green Mountain Village on the monthly bacteriological sampling program.

WATER STORAGE TANK

- 4) The steel storage tank shall be constructed in accordance to the latest revision of AWWA D100 which is AWWA D100-73.
- 5) The overflow shall be brought down to an elevation of 12 to 24 inches above the ground surface and discharged over a splash plate. This overflow shall open downwards and be provided with twenty-four mesh noncorrodible screen.
- 6) After disinfection, bacteriological tests shall be performed and shall indicate microbiologically satisfactory water before the facility is placed into operation. Provide details.

Well

- 7) Complete well details are needed (i.e. - depth, grouting details, casing details, disinfection procedures, well pump characteristics, etc.) Please submit the well drilling specifications.

PROJECT: Green Mountain Village, Mobile Home Community, Fremont County, Wyoming

REFERENCE NUMBER: 76-200R

- 8) Provide details of the air release/air vacuum valve used at the well.
- 9) After the well has been drilled, a chemical analysis of the water shall be submitted to this office.

WATER PUMPING STATION

- 10) A bypass line running directly from the storage tank to the distribution system is needed.
- 11) Will the 6-inch feed line from the reservoir be large enough to handle peak flows. We would encourage using a larger sized line.
- 12) Crane ways, hoists, eyebolts or overhead hatches are needed for removal of the pumps.
- 13) Please provide heating details.
- 14) All the booster pumps shall be provided with automatic shutoff at 10 psi.
- 15) Please indicate where the floor drain, drains to.

WATER LINES

- 16) All PVC pipe 4 inches or more in diameter shall meet AWWA C900-75. A pipe of 160 psi, SDR 26 does not meet this standard.
- 17) Provide for a leakage specification and test.
- 18) I am unfamiliar with Federal Specification WW-P-4215 for cast iron pipe. All cast iron pipe shall meet applicable AWWA standards.
- 19) All fire hydrants shall meet the latest revision of AWWA C-502 which is AWWA C502-73.
- 20) All gate valves shall meet the latest revision of AWWA C500 which is AWWA C500-73.
- 21) Thrust blocking details are needed.
- 22) Disinfection of the water lines shall proceed according to AWWA C601-68. Please insert this into the specifications.
- 23) The water riser pit needs a cover. Please provide details.

PROJECT: Green Mountain Village, Mobile Home Community, Fremont County, Wyoming
REFERENCE NUMBER: 76-200R

SEWER LINES

- 24) The minimum allowable size of sewers in permanent housing areas is 8 inches. Six inch sewer is permissible in the mobile home park.
- 25) All manholes shall be at least 48 inches in diameter.
- 26) The mobile home sewer risers shall be surrounded by a concrete pad at least 12 inches in diameter and 4 inches thick.
- 27) The use of asbestos-cement storm drain pipe will not be allowed for use as sewer lines.
- 28) We highly encourage the use of steeper slopes. The owner should realize that frequent sewer flushing and cleaning will be needed at these flat slopes.

LIFT STATION

- 29) The wet well needs adequate ventilation.
- 30) An emergency alarm system shall be provided at the lift station.
- 31) Please address power outages. Emergency power or possibly an overflow with a holding basin is needed. Please comment.
- 32) The PVC force main must meet AWWA C900-75.

LAGOON

- 33) An influent manhole shall be located at the lagoon site as close to the dike as possible. This manhole shall have an invert at least six inches above the maximum operating level of the lagoon.
- 34) Warning signs are needed. Provide details.

DWH/jo

Enclosures - 2- Applications for Permit to Construct, Install....."

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 76-200RR

Green Mountain Village, Inc.
(Name of Facility)

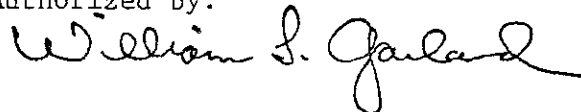
This permit hereby authorizes the applicant:

<u>Barney</u> (Last)	<u>Gary</u> (First)	<u>A.</u> (Middle)
<u>277 Main Street</u> (Street or P.O. Box)		
<u>Lander</u> (City)	<u>Fremont</u> (County)	<u>Wyoming 82520</u> (State)

to construct, install, or modify a Public Water Supply and Wastewater
facility located in Section 14, T29N, R92W
(Legal Description)

in the County of Fremont, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:



Director
Wyoming Dept. of Environmental Quality

May 18, 1977

Date of Issuance

cc: Rollins, Brown & Gunnell, Inc., P.O. Box 711, Provo, Utah 84601

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 76-200RRR

Green Mountain Village, Inc.

(Name of Facility)

This permit hereby authorizes the applicant:

<u>Barney</u>	<u>Gary</u>	<u>A</u>
(Last)	(First)	(Middle)
<u>227 Main Street</u>		
(Street or P.O. Box)		
<u>Lander</u>	<u>Fremont</u>	<u>Wyoming 82520</u>
(City)	(County)	(State)

to construct, install, or modify a Public Water Supply and Wastewater
facility located in Section 14, T29N, R92W
(Legal Description)

in the County of Fremont, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

William J. Quinn
Administrator
Water Quality Division

Robert E. Lundin
Director
Wyoming Dept. of Environmental Quality

June 23, 1977

Date of Issuance

cc: Rollins, Brown & Gunnell, Inc., P.O. Box 711, Provo, Utah 84601

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Gros Ventre West and Bar Y Estates, Water System, Teton County,
Wyoming

ARCHITECT OR ENGINEER: Peter M. Jorgensen, P.O. Box 1142, Jackson, Wyoming 83001

WATER QUALITY DIVISION REFERENCE NUMBER: 76-201

REVIEWING ENGINEER: David W. Hill, William L. Garland, P.E.

DATE OF REVIEW: August 9, 1976

ACTION: Not Authorized for Construction *wjg*

COMMENTS:

- 1) The opening around the well casing shall be filled with grout to a depth of ten feet. This grouting shall be a minimum of four inches thick.
- 2) Supply details on the sanitary well cover. It shall be vented and have an access port for measuring water depth.
- 3) The check valve shall be located within the well.
- 4) The pressure relief valve will not be allowed to drain back into the well. It shall drain to daylight.
- 5) If future fire protection is anticipated, 6-inch water lines must be used. However, we will allow water mains no smaller than 4-inches, to be used in this project. Realize, however, that expansion of this system to serve additional area will not be allowed with the use of 4-inch mains.
- 6) The manhole cover on the storage tank shall be fitted with a solid water tight cover which overlaps the opening and extends down around the opening at least two inches. It should be hinged and have a locking device.
- 7) Sheet 3 does not seem to agree with sheet 4 with respect to elevations. Also a pressure reducing valve is shown in this section of water main on sheet 1, but is not shown on sheet 4. Please straighten this out.
- 8) Sheet 10 seems to be out of place. A pressure reducing valve is shown which is not needed.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Gros Ventre West and Bar Y Estates, Water System, Teton County

ARCHITECT OR ENGINEER: Peter M. Jorgensen, P.O. Box 1142, Jackson, Wyoming 83001

WATER QUALITY DIVISION REFERENCE NUMBER: 76-201R

REVIEWING ENGINEER: David W. Hill, William L. Garland, P.E. *WLG*

DATE OF REVIEW: September 22, 1976

ACTION: Not Authorized for Construction

COMMENTS:

- 1) If PVC pipe is used, it shall meet AWWA C900-75 standards. This shall be written into the specifications.
- 2) Specifications shall be written to cover disinfection procedures for the steel storage tank. It shall be disinfected according to AWWA standard D102, Section 5.
- 3) A chemical analysis of the water shall be sent into our Department at the completion of the well.
- 4) At the start of residential hookups to the system, please notify Mr. Robert Pinther of this Department in order to set Gros Ventre West and Bar Y Estates on our monthly bacteriological sampling program.

PERMIT TO CONSTRUCT

☒ New

☐ Renewal

☐ Modified

Permit No. 76-201RR

Gros Ventre West and Bar Y Estates, Water System
(Name of Facility)

This permit hereby authorizes the applicant:

Meckem
(Last)

William
(First)

(Middle)

P.O. Box 989
(Street or P.O. Box)

Jackson
(City)

Teton
(County)

Wyoming 83001
(State)

to construct, install, or modify a Water System

facility located in Section 19, and 20, T41N, R117W
(Legal Description)

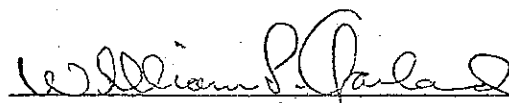
in the County of Teton, in the State of

Wyoming. This permit shall be effective for a period of 2 years

from the date of issuance of this permit not to exceed five (5) years.

THIS PERMIT DOES NOT COVER INSTALLATION OF THE STORAGE TANK. A PERMIT SHALL
BE OBTAINED FOR THE STORAGE TANK INSTALLATION THIS WINTER.

Authorized by:



Director
Wyoming Dept. of Environmental Quality

October 25, 1976

Date of Issuance

cc: Dan Cowee, Teton County Planner, Teton County Courthouse, Jackson, Wyoming 83001
Peter Jorgensen, P.O. Box 1142, Jackson, Wyoming 83001

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 76-203

Small Sewage Treatment and Disposal System
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Doty</u>	<u>Rod</u>	
(Last)	(First)	(Middle)
<u>Box 11</u>		
(Street or P.O. Box)		
<u>Moran</u>	<u>Teton</u>	<u>Wyoming</u>
(City)	(County)	(State)

to construct, install, or modify a Wastewater Disposal System
facility located in Section 21, T45N, R112W
(Legal Description)

in the County of Teton, in the State of
Wyoming. This permit shall be effective for a period of 5 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

William J. Garland
Director
Wyoming Dept. of Environmental Quality

August 4, 1976
Date of Issuance

cc: Mickey Yamashiro, Nelson Engineering, P.O. Box 1141, Jackson, Wyoming 83001

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Ranchester Packing Company, Waste Treatment Facilities

ARCHITECT OR ENGINEER: VTN, 330 North Main Street, Sheridan, Wyoming
82801

WATER QUALITY DIVISION REFERENCE NUMBER: 76-204

REVIEWING ENGINEER: Tom Mueller, William L. Garland, P.E. *WLG*

DATE OF REVIEW: August 24, 1976

ACTION: Not Authorized for Construction, See Comments.

COMMENTS:

1. The Water Quality Division is very concerned that the action of the aerators will remove the impermeable lining from the bottoms and banks of the ponds. This would pose a substantial threat to the quality of the local ground water. Please submit details of the aerators, especially the "anti-erosion plates," and data on expected horizontal and vertical turbulence in the ponds.
2. Although the proposed system should be able to handle the organic loading of the packing plant, it would seem to be unable to handle the hydraulic loading which would result from a kill rate of 90 head per day (based on the data submitted for the original facility). This would result in either ground water pollution or a waste discharge, which would probably be unacceptable. Please clarify this matter.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Wyoming Beef Packers

ARCHITECT OR ENGINEER: VTN Wyoming, 330 N. Main Street, Sheridan, Wyoming 82801

WATER QUALITY DIVISION REFERENCE NUMBER: 76-204R

REVIEWING ENGINEER: Roy E. Prior, William L. Garland, P.E. *WLG*

DATE OF REVIEW: November 8, 1976

ACTION: NOT AUTHORIZED FOR CONSTRUCTION.

COMMENTS:

- A. The proposed facility will not handle the hydraulic loads.
- B. Field investigation of the facility 10-29-76 indicated a discharge from the facility.

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

October 1, 1976

D. R. Voorhees
Superintendent of Construction
Stone & Webster Engineering Corporation
Garner Lake Route
Gillette, Wyoming 82716

RE: Your letter dated 8-11-76 with "As
Built" drawings, our reference number
76-240.

Dear Mr. Voorhees:

This is to acknowledge receipt of Stone & Webster Drawings Field SK 5-2 and 4-3 marked "As Built" and Memorandum of Requirements Covering Mechanical Facilities for Mobile Home Park Services. Please be advised that these are acceptable.

If you have any questions, feel free to contact us.

Yours truly,

A handwritten signature in cursive script that reads "Terry R. Book".

Terry R. Book
Environmental Engineer
Water Quality Division

TRB/jo

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 76-205

Wastewater Disposal Facilities - Hot Springs County

(Name of Facility)

School District No. 1

This permit hereby authorizes the applicant:

Hot Springs County School District No.1

(Last)

(First)

(Middle)

331 Park Avenue

(Street or P.O. Box)

Thermopolis

Hot Springs

Wyoming

(City)

(County)

(State)

to construct, install, or modify a Waste Treatment Facility
facility located in Section 24, T46N, R99W
(Legal Description)

in the County of Hot Springs, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

William L. Chiles

Director

Wyoming Dept. of Environmental Quality

August 6, 1976

Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Grass Creek School Residence Complex, Sewage Disposal, Hot Springs
County

ARCHITECT OR ENGINEER: Don Livingston, P.E., Engineering Associates,
P.O. Box 1539, Cody, Wyoming 82414

WATER QUALITY DIVISION REFERENCE NUMBER: 76-205

REVIEWING ENGINEER: Jake Strohman, William L. Garland, P.E. *wsj*

DATE OF REVIEW: August 4, 1976

ACTION: Construction Authorized

COMMENTS:

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Riverbend Addition, Douglas, Wyoming

ARCHITECT OR ENGINEER: Nelson Engineering, P.O. Box 1141, Jackson, Wyoming 83001

WATER QUALITY DIVISION REFERENCE NUMBER: 76-206

REVIEWING ENGINEER: Jake Strohman, William L. Garland, P.E. *by JSG*

DATE OF REVIEW: September 8, 1976

ACTION: Construction Not Authorized

COMMENTS:

Awaiting specifications for project and Designing Engineer's seal or signature.

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 76-206

Riverbend Addition

(Name of Facility)

This permit hereby authorizes the applicant:

Town of Douglas

(Last)

(First)

(Middle)

130 So. 3rd

(Street or P.O. Box)

Douglas

Converse

Wyoming

(City)

(County)

(State)

to construct, install, or modify a Sewer and Water Extension
facility located in Riverbend Addition, Town of Douglas
(Legal Description)

in the County of Converse, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:



Director

Wyoming Dept. of Environmental Quality

September 30, 1976

Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Riverbend Addition, Douglas, Wyoming

ARCHITECT OR ENGINEER: Albert Nelson, P.E., Nelson Engineering, 430 S. Cache Street,
Jackson, Wyoming 83001

WATER QUALITY DIVISION REFERENCE NUMBER: 76-206

REVIEWING ENGINEER: Jake Strohman, William L. Garland, P.E. *wsj*

DATE OF REVIEW: September 30, 1976

ACTION: Construction Authorized (See Compliance Items)

COMMENTS:

1. On page S-64, Chlorine should have a minimum of 50 ppm at the time it is injected into water main for disinfection per AWWA C-601.
2. Get with Town of Douglas and stipulate minimum size of service connections for water.
3. Sewer service branch lines should also have a minimum size stipulated and enter sewer mains from the upper half of the sewer main.

cc: Douglas Town Manager, 130 So. 3rd., Douglas, Wyoming 82633

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Veach Trailer Court

ARCHITECT OR ENGINEER: Walter J. Pilch and Associates, P.O. Box 6498, Sheridan,
Wyoming 82801

WATER QUALITY DIVISION REFERENCE NUMBER: 76-207

REVIEWING ENGINEER: Tom Mueller, William L. Garland, P.E. *WLG*

DATE OF REVIEW: August 20, 1976

ACTION: Not Authorized for Construction. See Comments.

- COMMENTS:
1. A manhole shall be placed at the sewer turn into the septic tank.
 2. The sewer collection line shall be 6 inches, and the pipe material shall be specified.
 3. A service detail and profile of the sewer shall be submitted.
 4. Information on the seasonal high water table beneath the leach field shall be submitted. If it is less than 4 feet below the trench depth, an elevated leach field shall be required. Shallow trench depth will not be an acceptable solution to high ground water.

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

October 8, 1976

Veach Williams
Big Horn, Wyoming 82833

SUBJECT: Veach Trailer Court construction without
a permit, our reference number 76-207.

Dear Mr. Williams:

Our regulations state, "no person, except when permit authorized, shall: construct, install, or modify any sewerage system, treatment works, disposal system or other facility capable of causing or contributing to pollution; or: construct, install, or modify any public water supply.

Since your actions are in direct violation of the regulations, we wish to advise you of the violation and request that you clarify your position. Specifically, we require "As Built" drawings on the facility or a letter stating that the drawings we currently have on file are "As Built." We will not issue a permit to construct for a facility which is already completed and we will require modification of any part of the facility which does not meet our standards.

If you have questions, feel free to contact us.

Sincerely,

A handwritten signature in cursive script, appearing to read "Roy E. Prior".

Roy E. Prior
Environmental Engineer
Water Quality Division

REP/jo

cc: Leslie E. Jayne, Director Sheridan Area Planning Agency, P.O. Box 652,
Sheridan, Wyoming 82801



Department of Environmental Quality
Water Quality Division

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

August 12, 1976

76-208

Queen Brothers Dairy
Sundance, Wyoming 82729

Gentlemen:

I cannot approve your application for a waste holding tank. It is well designed, but one important requirement has been overlooked. Our regulations require that all designs such as this must carry the seal and/or signature of a Professional Engineer, registered in the State. For this reason, your design cannot be approved.

As I mentioned, this is the only major problem, but the following items should also be taken care of:

1. A statement should be included to indicate how the waste will be disposed of, i.e., pumped out for land spreading, etc.
2. An overflow sump would not be allowed so close to the creek, if at all. If an overflow sump is to be used, we would need some data on percolation and ground water levels.

If you have any questions, please feel free to call.

Yours truly,

A handwritten signature in cursive script that reads "Tom Mueller" followed by a flourish.

Tom Mueller
Environmental Engineer
Water Quality Division

TM/jo

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Queen Brothers Dairy Waste Holding Pit - Sundance

ARCHITECT OR ENGINEER: James A. Miller, c/o Queen Brothers Dairy, Sundance, WY 82729

WATER QUALITY DIVISION REFERENCE NUMBER: 76-208R

REVIEWING ENGINEER: Terry R. Book, William L. Garland, P.E.

DATE OF REVIEW: January 7, 1977

William L. Garland
Supervisor, Water Quality Div.

ACTION: NOT AUTHORIZED FOR CONSTRUCTION, SEE COMMENTS.

- COMMENTS:
1. Manufacturer's data shall be provided for the sump pump.
 2. Please clarify if the system is to operate under aerobic or anaerobic conditions. It should be noted that aerobic design allows a maximum operating depth of 5 feet. Minimum freeboard shall be 3 feet.
 3. Side slopes on the cut of 2:1 are acceptable but embankment slopes should not be steeper than 3:1.
 4. Is the dike around the pit to exclude surface water?
 5. Indicate location of the facility with respect to any creek in the area.
 6. Soil percolation rate and depth to groundwater shall be provided. No percolation of water from the holding pit will be allowed.
 7. Our calculations indicate the pit will not provide total containment for the hydraulic load. Please detail what provisions have been made to dispose of the excess wastes.
 8. Please provide calculations on anticipated BOD₅ loading and subsequent reduction in BOD₅ through the treatment process.

PERMIT TO CONSTRUCT

☒ New

☐ Renewal

☐ Modified

Permit No. 76-208RR

Dairy Waste Holding Pit

(Name of Facility)

This permit hereby authorizes the applicant:

Queen Brothers Dairy

(Last)

(First)

(Middle)

(Street or P.O. Box)

Sundance

Crook

Wyoming 82729

(City)

(County)

(State)

to construct, install, or modify a Dairy Waste Holding

facility located in Section 26, T53N, R62W

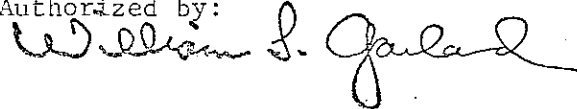
(Legal Description)

in the County of Crook, in the State of

Wyoming. This permit shall be effective for a period of 2 years

from the date of issuance of this permit not to exceed five (5) years.

Authorized by:



Superintendent, Water Quality Div.

Director

Wyoming Dept. of Environmental Quality

February 25, 1977

Date of Issuance

cc: Mr. James A. Miller, P.E., Box 421, Sundance, Wyoming 82729

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 76-209

Wright Recreational Vehicle Park
(Name of Facility)

This permit hereby authorizes the applicant:

Atlantic Richfield Company c/o Gingery and Associates
(Last) (First) (Middle)
2840 South Vallejo Street
(Street or P.O. Box)
Englewood Colorado 80110
(City) (County) (State)

to construct, install, or modify a Sewage Collection and Water Distribution
facility located in Section 34, T44N, R72W
(Legal Description)

in the County of Campbell, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

William S. Garland
Director
Wyoming Dept. of Environmental Quality

August 20, 1976

Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: 9th Addition Trailer Court

ARCHITECT OR ENGINEER: Plains Engineering, P.O. Box 727, Newcastle, Wyoming 82701

WATER QUALITY DIVISION REFERENCE NUMBER: 76-210

REVIEWING ENGINEER: Tom Mueller, William L. Garland, P.E.

DATE OF REVIEW: August 20, 1976

ACTION: Not Authorized for Construction. See Comments. *WLD*

COMMENTS: 1. Profile drawings of sewers shall be submitted.
2. Sewer lines shall be limited to 400 ft. between manholes.
3. An auxiliary gate valve shall be required between fire hydrants and water mains.

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 76-210R

Ninth Addition Trailer Park

(Name of Facility)

This permit hereby authorizes the applicant:

<u>Ellis</u>	<u>William</u>	
(Last)	(First)	(Middle)
<u>c/o Plains Engineering, P.O. Box 727</u>		
(Street or P.O. Box)		
<u>Newcastle</u>	<u>Wyoming</u>	<u>82701</u>
(City)	(County)	(State)

to construct, install, or modify a Sewage Collection and Water Distribution
facility located in Section 6, T49N, R67W
(Legal Description)

in the County of Crook, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

William P. Garland
Director
Wyoming Dept. of Environmental Quality

September 22, 1976

Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Cheney Trailer Court

ARCHITECT OR ENGINEER: Plains Engineering, Newcastle Division, P.O. Box 727,
Newcastle, Wyoming 82701

WATER QUALITY DIVISION REFERENCE NUMBER: 76-211

REVIEWING ENGINEER: Terry R. Book, William L. Garland, P.E. ^{TRB} *WLB*

DATE OF REVIEW: October 4, 1976

ACTION: Not Authorized for Construction. See Comments.

- COMMENTS:
1. Water mains shall be a minimum of two (2) inches in diameter.
 2. A fire hydrant is not acceptable in this application because a minimum of six (6) inches diameter is required if a main is used for firefighting purposes.
 3. The capacity of the 2 H.P. Centrifugal Pump shall be indicated.
 4. The sewer riser pipe shall be protected by concrete at ground surface a minimum of four (4) inches thick and twelve (12) inches in diameter.
 5. The sewer riser pipe shall terminate a minimum of four (4) inches above natural ground, standing water or surface water runoff, whichever elevation is higher.
 6. "Y" saddles or "T" saddles shall not be used. "Y" branches shall be used.
 7. Untreated building paper or straw shall be placed over the rock in the leach field before backfill of top soil. Leach field rock shall range in size from $\frac{1}{2}$ inch to $2\frac{1}{2}$ inches.
 8. The location of said facility shall be indicated with reference to roads, existing development, city limits, etc.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Cheney Trailer Court

ARCHITECT OR ENGINEER: Plains Engineering, Newcastle Division, P.O. Box 727,
Newcastle, WY 82701

WATER QUALITY DIVISION REFERENCE NUMBER: 76-211R

REVIEWING ENGINEER: Roy E. Prior, William L. Garland, P.E.

William L. Garland

DATE OF REVIEW: May 12, 1977

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS.

- COMMENTS:
1. Stop and drain valves are not allowed below ground level.
 2. Well casing should terminate 12 inches above the floor of the well house.
 3. How is the water system supposed to operate?
 4. Leach field should have 12" of cover over the gravel.

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 76-211RR

Cheney Trailer Court
(Name of Facility)

This permit hereby authorizes the applicant:

Cheney LaVera
(Last) (First) (Middle)
Box 731
(Street or P.O. Box)
Edgemont South Dakota 57735
(City) (County) (State)

to construct, install, or modify a Public Water Supply and Waste Treatment
facility located in NE¼, SW¼, Section 6, T49N, R67W
(Legal Description)

in the County of Crook, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years.

NOTE: THE PUBLIC WATER SUPPLY MUST HAVE A CERTIFIED OPERATOR.
cc: Plains Engineering, P.O. Box 727, Newcastle, WY 82701

Authorized by:

William L. O'Neal
Administrator
Water Quality Division

Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

June 24, 1977

Date of Issuance
The extra copies of your plans and specifications were sent to Environmental
Surveillance and Control, Department of Health and Social Services, for their
review per our Chapter III Regulations.

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 76-212

Dairy Barn Waste Facility
(Name of Facility)

This permit hereby authorizes the applicant:

Tenke, Jr. John V.
(Last) (First) (Middle)

Box 494
(Street or P.O. Box)

Sundance Crook Wyoming
(City) (County) (State)

to construct, install, or modify a Dairy Barn Waste
facility located in Sec. 35, T49N, R62W
(Legal Description)

in the County of Crook, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

William P. Janda
Director
Wyoming Dept. of Environmental Quality

October 8, 1976
Date of Issuance

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 76-213

FMC Corporation, Skull Point Coal Sanitary Waste Facility
(Name of Facility)

This permit hereby authorizes the applicant:

FMC Corporation c/o Operator Morrison - Knudsen Mining Division
(Last) (First) (Middle)

P.O. Box 7808

(Street or P.O. Box)

Boise

(City)

Idaho

(State)

(County)

to construct, install, or modify a Sanitary Waste
facility located in Section 27, T20N, R11W
(Legal Description)

in the County of Lincoln, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

William J. Chalmers

Director

Wyoming Dept. of Environmental Quality

August 18, 1976

Date of Issuance

cc: Jerry K. Mueller, P.E., Morrison-Knudsen Company, Inc., P.O. Box 7808,
Boise, Idaho 83729

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 76-214

West Douglas Sewer Interceptor and Lift Station
(Name of Facility)

This permit hereby authorizes the applicant:

Nelson Engineering
(Last) (First) (Middle)
Box 1141
(Street or P.O. Box)
Jackson Wyoming 83001
(City) (County) (State)

to construct, install, or modify a Sewer Interceptor and Lift Station
facility located in _____
(Legal Description)

in the County of Converse, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

William P. Garland
Director
Wyoming Dept. of Environmental Quality

August 23, 1976
Date of Issuance

cc: Town of Douglas

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Red Barn Addition East, Sewer Line, Casper, Wyoming

ARCHITECT OR ENGINEER: E. C. Lenhart, P.E., Casper Board of Public Utilities,
136 West 8th Street, Casper, Wyoming 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 76-215

REVIEWING ENGINEER: Jake Strohman, William L. Garland, P.E. *arg*

DATE OF REVIEW: August 4, 1976

ACTION: Construction Authorized

COMMENTS:

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 76-216

Sage Knolls Addition
(Name of Facility)

This permit hereby authorizes the applicant:

James H. Stewart & Associates
(Last) (First) (Middle)
Box 429
(Street or P.O. Box)
Fort Collins Colorado
(City) (County) (State)

to construct, install, or modify a Sewer Extension
facility located in _____
(Legal Description)

in the County of Natrona, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

William J. Paulson
Director
Wyoming Dept. of Environmental Quality

August 20, 1976
Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Town of Wheatland - Extension of Sewer and Water Mains.

ARCHITECT OR ENGINEER: K & H Engineering, P.O. Box 1089, Wheatland, Wyoming 82201

WATER QUALITY DIVISION REFERENCE NUMBER: 76-217

REVIEWING ENGINEER: Frank R. Harman, P.E. *Frank R. Harman*

DATE OF REVIEW: August 9, 1976

ACTION: Authorized for Construction

COMMENTS:

cc: Gena Wright, Platte County Sanitarian, P.O. Box 55, Wheatland, Wyoming 82201

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Water and Sanitary Sewer Extension, Maverick Mobile Home Park
Lander, Wyoming, Fremont County

ARCHITECT OR ENGINEER: Orren J. Bower, P.E., 801 South 2nd Street,
Lander, Wyoming 82520

WATER QUALITY DIVISION REFERENCE NUMBER: 76-218

REVIEWING ENGINEER: David W. Hill, William L. Garland, P.E. *WLG*

DATE OF REVIEW: August 11, 1976

ACTION: Not Authorized for Construction.

COMMENTS:

Water System

- 1) Please state the average pressure in the system. A minimum of 20 psi shall be provided. A letter of verification should be provided by the City of Lander stating that they can provide adequate pressure and water quantity for the trailer court.
- 2) All waterlines used for fire protection shall be a minimum of 6-inches in diameter. We recommend that all the waterlines be 6 inch.
- 3) The fire hydrant shall meet the applicable AWWA standard. This shall be stated in the specifications.
- 4) The drain in the hydrant shall be plugged due to the high groundwater table. The barrel can be pumped dry before freezing weather.
- 5) Will one hydrant suffice for fire protection? It appears to me that at least two will be needed.
- 6) Details of the water line thrust blocking shall be shown.
- 7) Water settled backfilling will not be allowed.

PROJECT: Water and Sanitary Sewer Extension, Maverick Mobile Home Park
Lander, Wyoming, Fremont County

REFERENCE NUMBER: 76-218

SEWER SYSTEM

- 8) Infiltration shall not exceed 200 gallons per inch of pipe deameter per mile of line per day. This shall be written into the specifications.
- 9) The 6 inch PVC sewer line shall have a minimum slope of 0.60% and the 8 inch sewer line shall have a minimum slope of 0.40%. If lesser slopes are used, rationale shall furnish along with computations of depths of flow in the sewer lines at minimum, average, and maximum rates of flows.
- 10) A manhole shall be installed where the trailer court outfall hooks into the 24-inch VCT lateral sewer.

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 76-218R

Maverick Mobile Home Park Water and Sewer Line Extension
(Name of Facility)

This permit hereby authorizes the applicant:

Maverick Mobile Home Park c/o Steve Mabry
(Last) (First) (Middle)
1104 N. 2
(Street or P.O. Box)
Lander Fremont Wyoming
(City) (County) (State)

to construct, install, or modify a Water and Sewer lines
facility located in Lander, Wyoming
(Legal Description)

in the County of Fremont, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

Frank R. Haiman P-E
for Director
Wyoming Dept. of Environmental Quality

September 17, 1976
Date of Issuance

cc: Orren J. Bower, P.E., 801 South 2nd Street, Lander, Wyoming 82520

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 76-219

Hunt Field Municipal Airport Storm Drainage System
(Name of Facility)

This permit hereby authorizes the applicant:

<u>City of Lander</u>		
<u>(Last)</u>	<u>(First)</u>	<u>(Middle)</u>
<u>183 South 4th Street</u>		
<u>(Street or P.O. Box)</u>		
<u>Lander</u>	<u>Fremont</u>	<u>Wyoming</u>
<u>(City)</u>	<u>(County)</u>	<u>(State)</u>

to construct, install, or modify a Storm Drainage System
facility located in _____
(Legal Description)

in the County of Fremont, in the State of
Wyoming. This permit shall be effective for a period of 5 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

William L. Gaudin
Director
Wyoming Dept. of Environmental Quality

August 12, 1976
Date of Issuance

cc: Call Engineering, 2211 South 300 West, Salt Lake City, Utah 84115

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 76-220

Wastewater Disposal Facility for ROC Manufacturing
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Carlson</u>	<u>Roy</u>	<u>O.</u>
(Last)	(First)	(Middle)
<u>P.O. Box 1828</u>		
(Street or P.O. Box)		
<u>Cody</u>	<u>Park</u>	<u>Wyoming</u>
(City)	(County)	(State)

to construct, install, or modify a Waste Treatment Facility
facility located in Tract 71, T53N, R101W
(Legal Description)

in the County of Park, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

William S. Ireland
Director
Wyoming Dept. of Environmental Quality

August 11, 1976

Date of Issuance

cc: Don Livingston, P.E., Engineering Associates, P.O. Box 1539, Cody, Wyoming 82414

PERMIT TO CONSTRUCT

☒ New

☐ Renewal

☐ Modified

Permit No. 76-222

Barrel Springs Gathering System Hydrostatic Testing Disposal Pond
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Wilson</u>	<u>John</u>	<u>W.</u>
(Last)	(First)	(Middle)
<u>Northwest Pipeline Company, P.O. Box 1526</u>		
(Street or P.O. Box)		
<u>Salt Lake City</u>	<u>Utah</u>	<u>84110</u>
(City)	(County)	(State)

to construct, install, or modify a Temporary evaporative disposal pond.
facility located in Section 14, T16N, R93W
(Legal Description)

in the County of Carbon, in the State of
Wyoming. This permit shall be effective for a period of one years
from the date of issuance of this permit not to exceed five (5) years.

CARE AND CAUTION SHOULD BE EXERCISED TO SEE THAT THE POND CONTENTS DO NOT FIND
THEIR WAY INTO THE GROUND WATER. FOR THIS PURPOSE THE POND BOTTOM AND SIDE
WALLS SHOULD EITHER BE TREATED WITH BENTONITE OR A PLASTIC LINER BE PROVIDED TO
KEEP POND CONTENTS ISOLATED.

Authorized by:

Director
Wyoming Dept. of Environmental Quality

August 4, 1976

Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Town of Hanna - Interium Sewage Treatment Facilities and Interceptor
Sewer

ARCHITECT OR ENGINEER: Submitted by Paul McCarthy, P.E., Robert Jack Smith
and Associates, Inc., P.O. Box 1104, Rawlins, Wyoming 82301

WATER QUALITY DIVISION REFERENCE NUMBER: 76-224

REVIEWING ENGINEER: Frank R. Harman, P.E. *Frank R. Harman*

DATE OF REVIEW: August 10, 1976

ACTION: Authorized for Construction

COMMENTS:

On the 18 inch section of the interceptor line, between manholes #22 and #13, the slope appears to be quite flat and somewhat less than minimum recommended. The Town should be made aware that periodic and routine cleaning out of this portion of the sewer may be necessary.

cc: Phillip Hughes, District Sanitarian, P.O. Box 1153, Green River, Wyoming 82935

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Clearfield 1, 2, and 3 Addition Water Booster Pump Station, Douglas

ARCHITECT OR ENGINEER: Victor H. Weidmann, P.E., James H. Stewart and Associates,
P.O. Box 429, Fort Collins, Colorado 80522

WATER QUALITY DIVISION REFERENCE NUMBER: 76-225

REVIEWING ENGINEER: Jake Strohman, William L. Garland, P.E. *WLG*

DATE OF REVIEW: October 8, 1976

ACTION: Construction is not Authorized

COMMENTS:

1. The pump pit shall be eliminated. All pumps, pump suction lines and the pumphouse shall be located above ground. Elevate as necessary to protect against flooding.
2. Obtain a waiver from Town of Douglas if standby power will not be furnished for the lift station.
3. Disinfect all pumps and equipment prior to use.
4. What pressure tests are to be performed.
5. What are material and installation specifications for the 12" and 8" water mains.

cc: Bill Galletly, Town Manager, Douglas, Wyoming

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Town of Guernsey - Improvements to Waste Stabilization Pond
Treatment Facility, Guernsey, Wyoming

ARCHITECT OR ENGINEER: Nelson, Haley, Patterson and Quirk, Engineering
Consultants, 2021 Clubhouse Drive, Greeley, Colorado 80631

WATER QUALITY DIVISION REFERENCE NUMBER: 76-226

REVIEWING ENGINEER: Frank R. Harman, P.E. *Frank R. Harman*

DATE OF REVIEW: August 11, 1976

ACTION: Final Authorization withheld; preliminary approval given. See Comments.

COMMENTS:

Preliminary approval given to proceed with earthwork only. Final authorization kept pending, prior to receipt of final construction plans by this Department review.

cc; Malcolm Crawford, Eastern Regional Supervisor, P.O. Box 973
Gillette, Wyoming 82716

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 76-227

Casper College
(Name of Facility)

This permit hereby authorizes the applicant:

Casper Board of Public Utilities
(Last) (First) (Middle)
136 W. 8th Street
(Street or P.O. Box)
Casper Wyoming 82601
(City) (County) (State)

to construct, install, or modify a Sewer and Water Extension
facility located in _____
(Legal Description)

in the County of Natrona, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years.

CONSTRUCTION IS TO BE IN CONFORMANCE WITH CITY OF CASPER'S SPECIFICATIONS
FOR SEWER AND WATER.

Authorized by:

William J. [Signature]
Director
Wyoming Dept. of Environmental Quality

August 24, 1976
Date of Issuance

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 76-228

Lt. Col. Charles Irwin Wastewater Disposal System
(Name of Facility)

This permit hereby authorizes the applicant:

Irwin Charles Lt. Col.
(Last) (First) (Middle)

(Street or P.O. Box)

Alta Teton Wyoming
(City) (County) (State)

to construct, install, or modify a Wastewater Disposal System
facility located in Alta, Wyoming
(Legal Description)

in the County of Teton, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

William J. Palmer
Director
Wyoming Dept. of Environmental Quality

August 24, 1976
Date of Issuance

cc: Mickey Yamashiro, Nelson Engineering, P.O. Box 1141,
Jackson, Wyoming 83001

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: City of Cheyenne - Operation and Maintenance Manual for existing
Crow Creek Wastewater Plant - EPA Project #0560096

ARCHITECT OR ENGINEER: Submitted by Victor Anderson J.T. Banner and Associates, Inc.
P.O. Box 550, Laramie, Wyoming 82070

WATER QUALITY DIVISION REFERENCE NUMBER: 76-229

REVIEWING ENGINEER: Frank R. Harman, P.E. *Frank R. Harman*

DATE OF REVIEW: August 11, 1976

ACTION: Approved and Authorized

COMMENTS:

cc: Don Pack, Director, Environmental Health, City-County Health Unit,
315 W. 20th, Cheyenne, Wyoming 82001

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 76-230

Webb Resources

(Name of Facility)

This permit hereby authorizes the applicant:

Webb Resources

(Last)

(First)

(Middle)

P.O. Box 1247

(Street or P.O. Box)

Gillette

Wyoming 82716

(City)

(County)

(State)

to construct, install, or modify a Septic Sewage System
facility located in Sec. 19, T50N, R72W
(Legal Description)

in the County of Campbell, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

William J. O'Neil

Director

Wyoming Dept. of Environmental Quality

August 20, 1976

Date of Issuance

PERMIT TO CONSTRUCT

☐ New
☐ Renewal
☒ Modified

Permit No. 76-231

Bear Creek Mine Water Treatment Plant and Settling Pond
(Name of Facility)

This permit hereby authorizes the applicant:

Bear Creek Uranium Company
(Last) (First) (Middle)
4704 Harlan Street
(Street or P.O. Box)
Denver Colorado 80212
(City) (County) (State)

to construct, install, or modify a Mine Water Treatment Plant
facility located in Section 35, T39N, R73W
(Legal Description)

in the County of Converse, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

William J. Galand
Administrator
Water Quality Division

Robert E. Hendon
Director
Wyoming Dept. of Environmental Quality

October 3, 1977

Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Interstate Industrial Park, Campbell County, Gillette, Wyoming

ARCHITECT OR ENGINEER: R. G. Stuckert and Associates, P.O. Box 901, Buffalo,
Wyoming 82834

WATER QUALITY DIVISION REFERENCE NUMBER: 76-232

REVIEWING ENGINEER: Tom Mueller, William L. Garland, P.E. *veg*

DATE OF REVIEW: August 26, 1976

ACTION: Not Authorized for Construction. See Comments.

- COMMENTS:
1. Details of the well head shall be submitted to this office.
 2. Chemical and biological testing shall be performed on the well water and the results submitted to this office.
 3. The specification for PVC pipe must meet AWWA specification C900. Class 160 pipe is unacceptable for fire service.
 4. The booster pumps specified will be incapable of meeting fire flow demand. Please submit supportive calculations on expected fire flows. Also please specify pipe sizes for pumphouse plumbing.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Interstate Industrial Park

ARCHITECT OR ENGINEER: R. G. Stuckert and Associates, P.O. Box 901, Buffalo,
Wyoming 82834

WATER QUALITY DIVISION REFERENCE NUMBER: 76-232

REVIEWING ENGINEER: Terry R. Book, William L. Garland, P.E. *WLG*

DATE OF REVIEW: November 3, 1976

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS.

- COMMENTS:
1. Chemical and biological testing shall be performed on the well water and the results submitted to this office.
 2. A location plat shall be submitted which indicates the subdivision's location with respect to the City of Gillette.
 3. A contour map shall be provided which indicates the elevation of the water storage facility with respect to the surrounding area.
 4. The plans and specifications have a discrepancy regarding the storage tank, i.e. both should indicate an above ground tank.
 5. All AWWA standards shall reference the latest edition.
 6. The storage tank shall comply with all the provisions of AWWA D100-73.
 7. A legend shall be provided for the valves in the wellhouse.
 8. All components which may be removed for repair or replacement shall be isolated by valves, i.e. pumps, chlorination equipment, pressure valves, etc.
 9. The plastic pipe from the well through the pumphouse wall shall be replaced by a material which is more resistant to breakage due to lateral forces.
 10. Specify the type of sanitary seal and pitless adapter to be used on the well.

PROJECT: Interstate Industrial Park

REFERENCE NUMBER: 76-232

11. Subsurface pump rooms are not allowed. The floor elevation shall be at least six inches above finished grade and the building shall have outward-opening doors.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Interstate Industrial Park, Gillette, Wyoming

ARCHITECT OR ENGINEER: R. G. Stuckert and Associates, Inc., P.O. Box 901,
Buffalo, Wyoming 82834

WATER QUALITY DIVISION REFERENCE NUMBER: 76-232RR

REVIEWING ENGINEER: Roy E. Prior, William L. Garland, P.E. *Wesg*

DATE OF REVIEW: November 30, 1976

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

- A: Plans and specifications have not been reviewed due to the lack of an Engineer's signature or seal. Please refer to Chapter III, Section 4, Part b. of Water Quality Division Regulations.

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 76-232RRR

Interstate Industrial Park
(Name of Facility)

This permit hereby authorizes the applicant:

Mr. Bob Armand, Vice President

Western Interstate Company

(Last) (First) (Middle)

P.O. Box 1916

(Street or P.O. Box)

Houston

Texas 77001

(City)

(County)

(State)

to construct, install, or modify a Water Distribution

facility located in SE $\frac{1}{4}$ -Sec. 24-and NE $\frac{1}{4}$ -Sec. 25-T50N-R78W

(Legal Description)

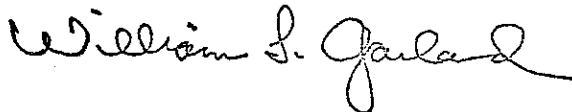
in the County of Campbell, in the State of

Wyoming. This permit shall be effective for a period of 2 years

from the date of issuance of this permit not to exceed five (5) years.

NOTE: THIS AUTHORIZES CONSTRUCTION OF THE WATER DISTRIBUTION SYSTEM WITH WELLHOUSE AND STORAGE TANK DETAIL AS SHOWN ON SHEET 10-ALT. OF 11 (WELLHOUSE ABOVE GROUND).

Authorized by:



Director
Supervisor - Water Quality Div.
Wyoming Dept. of Environmental Quality

January 11, 1977

Date of Issuance

PERMIT TO CONSTRUCT

☒ New

☐ Renewal

☐ Modified

Permit No. 76-233

Sheridan Sewer Extension
(Name of Facility)

This permit hereby authorizes the applicant:

<u>City of Sheridan</u>		
(Last)	(First)	(Middle)
<u>c/o W. J. Pilch and Associates P.O. Box 6498</u>		
(Street or P.O. Box)		
<u>Sheridan</u>	<u>Sherdian</u>	<u>Wyoming</u>
(City)	(County)	(State)

to construct, install, or modify a Sewer Extension

facility located in Section 22, T56N, R84W

(Legal Description)

in the County of Sheridan, in the State of

Wyoming. This permit shall be effective for a period of 2 years

from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

William P. Jones
Director
Wyoming Dept. of Environmental Quality

August 23, 1976

Date of Issuance

PERMIT TO CONSTRUCT

☒ New

☐ Renewal

Permit No. 76-234

☐ Modified

Mountain View Subdivision

(Name of Facility)

This permit hereby authorizes the applicant:

Grahman and Associates

(Last)

(First)

(Middle)

Box 348

(Street or P.O. Box)

Cody

Wyoming 82414

(City)

(County)

(State)

to construct, install, or modify a Sewer and Water Extension

facility located in _____

(Legal Description)

in the County of Park, in the State of

Wyoming. This permit shall be effective for a period of 2 years

from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

William S. Garland

Director

Wyoming Dept. of Environmental Quality

August 20, 1976

Date of Issuance

PERMIT TO CONSTRUCT

☒ New

☐ Renewal

Permit No. 76-236

☐ Modified

Indian Hills Subdivision

(Name of Facility)

This permit hereby authorizes the applicant:

Glenrock Development Corp.

(Last)

(First)

(Middle)

528 South Lincoln

(Street or P.O. Box)

Casper

(City)

Wyoming

(County)

(State)

to construct, install, or modify a _____

facility located in Section 5, T33N, R75W

(Legal Description)

in the County of Converse, in the State of

Wyoming. This permit shall be effective for a period of 5 years

from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

William J. Ireland

Director

Wyoming Dept. of Environmental Quality

August 18, 1976

Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Indian Hills Subdivision, Glenrock

ARCHITECT OR ENGINEER: John Donmyer, P.E., A. Stotts, 528 South Lincoln, Casper,
Wyoming 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 76-236

REVIEWING ENGINEER: Jake Strohman, William L. Garland, P.E. *WLG*

DATE OF REVIEW: August 18, 1976

ACTION: Construction Authorized

COMMENTS:

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Gillette and Environs - Water Storage Facilities

ARCHITECT OR ENGINEER: Robert L. Streeter, P.O. Box 2030, Casper, Wyoming 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 76-237

REVIEWING ENGINEER: Tom Mueller, Roy Prior, William L. Garland, P.E. *WLG*

DATE OF REVIEW: September 2, 1976

ACTION: Not Authorized for Construction

- COMMENTS:
1. Water flooding will not be permitted for trench backfill.
 2. Specifications for crossing of water and sewer line shall be provided.
 3. Please provide supplementary information as follows:
 - a. What are the expected flows in the low-level transmission pipeline, including flows to the tees at Sta. 55+70 and 102+50? In connection with this, why does the size of the transmission line vary from 12" to 16"?
 - b. How will the high-level system interface with the low level system? Which areas is the high-level system intended to serve?

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 76-237R

Gillette and Environs - Water Storage Facilities
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Streeter</u>	<u>Robert</u>	<u>L.</u>
(Last)	(First)	(Middle)
<u>Box 2030</u>		
(Street or P.O. Box)		
<u>Casper</u>		<u>Wyoming</u>
(City)	(County)	(State)

to construct, install, or modify a Water Transmission and Storage
facility located in The City of Gillette
(Legal Description)

in the County of Campbell, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

William L. Feland
Director
Wyoming Dept. of Environmental Quality

October 5, 1976

Date of Issuance

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 76-239

Seminole State Park
(Name of Facility)

This permit hereby authorizes the applicant:

Yannacone Bill
(Last) (First) (Middle)

604 East 25th Street
(Street or P.O. Box)

Cheyenne Wyoming 82001
(City) (County) (State)

to construct, install, or modify a Trailer Dump Station
facility located in _____
(Legal Description)

in the County of Carbon, in the State of
Wyoming. This permit shall be effective for a period of 5 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

William P. Gale
Director
Wyoming Dept. of Environmental Quality

August 27, 1976
Date of Issuance

cc: Phillip Hughes, Western Regional Supervisor, Environmental Surveillance
and Control, P.O. Box 1153, Green River, Wyoming 82935

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 76-241

Ken Motors
(Name of Facility)

This permit hereby authorizes the applicant:

Engineering Associates
(Last) (First) (Middle)
P.O. Box 1539
(Street or P.O. Box)
Cody Wyoming 82414
(City) (County) (State)

to construct, install, or modify a Wastewater Facility
facility located in _____
(Legal Description)

in the County of Park, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

William L. Garland
Director
Wyoming Dept. of Environmental Quality

August 23, 1976
Date of Issuance

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

February 18, 1977

Mr. John Green
Regional Administrator
U.S. Environmental Protection Agency
Region VIII
1860 Lincoln Street
Denver, Colorado 80203

Attention: Mr. William H. Hormberg

[Handwritten signature]
76-244

Dear Sir:

RE: C56010301, Thermopolis Sewage
Treatment Plant

This office has received and reviewed the plans, specifications and Volume I of the O & M Manual for the above referenced project. The design of the plant is acceptable as theoretically the effluent requirements are within the capabilities of this plant. The plant has adequate operational flexibility for the existing and future sewage flows.

A major item which requires a change in project scope is the requirement for additional laboratory space. Since this was an oversight in the facilities plan, this office recommends that this additional cost be included in this project. The space is proposed by adding one wall, one door and window to the existing building. Jim Brooks of your office is aware of this proposed change in scope.

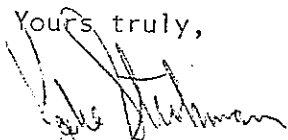
The inflow study has not been accomplished to date. This study was approved in the Step I project. The sewage treatment plant was forced to bypass at least once this past summer due to inflow caused by a quick thunder shower. The Town of Thermopolis has indicated by the enclosed letter that all inflow would be eliminated. With this commitment by the Town, this office feels that the project should not be delayed for the completion of the study. However, upon the completion of the inflow study, a compliance schedule for completion of the inflow elimination will be required by this office.

Mr. John Green
February 18, 1977
Page 2

The amended Step II and the Step III grant application will be submitted shortly.

Enclosed is a copy of the checklist for compliance with federal regulations along with (3) three sets of plans, specifications and Volume I of the O & M Manual.

Yours truly,



Jake Strohman
Environmental Engineer
Water Quality Division

JS/jo

Enclosures

cc: Engineering Associates, Box 1539, Cody, Wyoming 82414

R E V I E W I T E M S

LABORATORY AND LABORATORY EQUIPMENT

Page MS-31 of specifications will be removed from this contract and let under a separate contract. Additional lab equipment will be required to upgrade existing equipment and test for Ammonia-Nitrogen and Volatile Solids. A BOD incubator and Fecal Coliform test equipment is required. This office has indicated that membrane filter method for fecal coliform will be used in place of MPN.

This office has also recommended that additional lab space should be provided.

The additional equipment required will cause the existing lab and office area to become more congested. The most economical method of acquiring this space would be to construct an office area and move the desk and record files to this area.

The most logical location would be to extend the entrance to the control building to make the required office space. This cost should also be considered eligible.

PUMPS, RAW SEWAGE LIFT

A letter sent to this office and dated April 25, 1976 indicated that a raw sewage motor and pump should be provided as a spare. This was approved and accepted as part of the facilities plan as we asked the engineer to address the condition of the existing pump.

The engineer proposed rather than buying the entire spare pump and motor, to buy sufficient spare parts to repair both sizes of motors and pumps. This office agrees with this proposal and recommends these items be cost eligible as this should increase the life of the lift station to meet the 1995 design of the plant.

The engineer indicated he would investigate and propose a list of required spare parts to be included in this project.

This item could also be let under a separate contract.

MATERIAL FOR CLARIFIER WIERS

The material specifications for the final clarifier wiers gave an alternative of fiberglass. It is the contention of this office that fiberglass should not be used for wiers in Wyoming due to the required maintenance for proper operation. Fiberglass is more susceptible to temperature changes requiring more adjustments than steel. The fiberglass also contracts and leaves gaps between the wier and clarifier wall allowing short circuit without passing over the wier. The additional money spent by the Town in getting steel would be saved in operation and maintenance costs.

PRETREATMENT UNITS

The facilities plan proposed a new comminutor which is not provided in this project. In view of the fact the plant has been operating with a minimal amount of maintenance, this office and the engineer feels that the expense required to install mechanical screens, a grit chamber and a comminutor preceding the wet well is not justified.

PRETREATMENT UNITS (CONTINUED)

The existing 17 year old lift station pumps have operated satisfactorily without the preceding grit removal or comminutor. The existing grit chamber after the lift station will remain in operation. The existing hand cleaned bar screens preceding wet well will not be changed.

The operator indicated the bar screens require very little maintenance and indicated he preferred manual due to the screen location. The requirements for mechanical cleaning and conveyor to ground level would cause additional mechanical maintenance.

SEWER ORDINANCE

The engineer has submitted a user fee ordinance to EPA for approval.

O & M MANUAL - VOLUME I

This manual is hereby accepted by this office as meeting all requirements with the exception of proposed revisions indicated in this review.

Other items discussed were:

1. There will be no bypass during construction as indicated by the note on pg. 16 of plans. The existing primary treatment will be used during construction.
2. The sludge drying bed underdrain system presently goes to the river. Plans for primary treatment indicate the underdrain collection line flows West for a distance from the East side of the beds. Since the beds are draining to the river, there is a strong possibility that a change order may be required at the time of construction to move the location of the pump station.
3. The scum holding tank on the primary unit will be hand cleaned and disposed in a sanitary landfill. The operation to prevent freezing is addressed in O & M Manual.
4. The piping connecting the raw sludge line to the flow splitter box on the existing primary section plans should extend to the sludge draw-off box.
5. The additional air requirements of the new secondary section of the plant were taken into account by replacing an inoperable unit with one meeting the material specifications on page MS-27.
6. The two butterfly valves preceding the biological unit will be changed to gate valves.
7. The problem of air lifting sludge from final clarifiers causing splashing was addressed. The decision to put a "caution note" in the O & M Manual rather than a splash plate was selected.
8. The question of whether the centrififical type pump located in the control building was doing an adequate job of transporting raw sludge and if the additional length to the final clarifiers would pose any problems was presented.

REVIEW ITEMS

The engineer indicated there wasn't any problems transporting the raw sewage and he felt the sludge from the final clarifiers would flow by gravity. The plant was designed with the capability of routing final sludge back to the wet well. The decision that a positive placement pump would not be required was decided upon.

9. Cleaning capabilities on the sludge line into the final clarifiers were addressed. This could be accomplished by plugging the airlift outlet and using a high pressure forced air. This procedure should be mentioned in the O & M Manual.
10. Plans and specifications for another vent in chlorination building will be provided.
11. The elevation of the chains for securing chlorine tanks will be located properly during construction.
12. The chlorine detector on the wall of chlorination building has tubing to the floor. Specifications will be added to terminate chlorination control vent tubing outside.
13. The door of chlorination building will have a window and open outside.
14. The drain from the chlorine scale pit will be changed to terminate in a gravel bed. The floor will slope toward the drain.
15. The heater for the chlorine room will be installed higher on the wall.
16. Ventilation blower in control space will be operated by a hatch operated switch.
17. The engineer stated manufacturer's didn't recommend heat to biodisc covers during the winter. He felt the covers would be sufficient to provide adequate temperature for unit efficiency.
18. The line from the chlorination building to the emergency bypass will not be required. This river is a prime trout stream and chlorination would cause more damage than pollution because no detention time would be provided. O & M manual may require revision.
19. Material specifications for railings will be provided.
20. The hydrostatic pressure relief valves in the final clarifiers are accepted.
21. A hand rail should be provided above ground by the access of the control chamber and the drying bed supernatant pit.

REVIEW ITEMS

- The engineer indicated there wasn't any problems transporting the raw sewage and he felt the sludge from the final clarifiers would flow by gravity. The plant was designed with the capability of routing final sludge back to the wet well. The decision that a positive placement pump would not be required was decided upon.
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 21. A hand rail should be provided above ground by the access of the control chamber and the drying bed supernatant pit.

REVIEW ITEMS

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The additional equipment required will cause the existing lab and office area to become more congested. The most economical method of acquiring this space would be to construct an office area and move the desk and record files to this area.

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PUMPS, RAW SEWAGE LIFT

A letter sent to this office and dated April 25, 1976 indicated that a raw sewage motor and pump should be provided as a spare. This was approved and accepted as part of the facilities plan as we asked the engineer to address the condition of the existing pump.

The engineer proposed rather than buying the entire spare pump and motor, to buy sufficient spare parts to repair both sizes of motors and pumps. This office agrees with this proposal and recommends these items be cost eligible as this should increase the life of the lift station to meet the 1995 design of the plant.

The engineer indicated he would investigate and propose a list of required spare parts to be included in this project.

This item could also be let under a separate contract.

MATERIAL FOR CLARIFIER WIERS

The material specifications for the final clarifier wiers gave an alternative of fiberglass. It is the contention of this office that fiberglass should not be used for wiers in Wyoming due to the required maintenance for proper operation. Fiberglass is more susceptible to temperature changes requiring more adjustments than steel. The fiberglass also contracts and leaves gaps between the wier and clarifier wall allowing short circuit without passing over the wier. The additional money spent by the Town in getting steel would be saved in operation and maintenance costs.

PRETREATMENT UNITS

The facilities plan proposed a new comminutor which is not provided in this project. In view of the fact the plant has been operating with a minimal amount of maintenance, this office and the engineer feels that the expense required to install mechanical screens, a grit chamber and a comminutor preceding the wet well is not justified.

PRETREATMENT UNITS (CONTINUED)

The existing 17 year old lift station pumps have operated satisfactorily without the preceding grit removal or comminutor. The existing grit chamber after the lift station will remain in operation. The existing hand cleaned bar screens preceding wet well will not be changed.

The operator indicated the bar screens require very little maintenance and indicated he preferred manual due to the screen location. The requirements for mechanical cleaning and conveyor to ground level would cause additional mechanical maintenance.

SEWER ORDINANCE

The engineer has submitted a user fee ordinance to EPA for approval.

O & M MANUAL - VOLUME I

This manual is hereby accepted by this office as meeting all requirements with the exception of proposed revisions indicated in this review.

Other items discussed were:

1. There will be no bypass during construction as indicated by the note on pg. 16 of plans. The existing primary treatment will be used during construction.
2. The sludge drying bed underdrain system presently goes to the river. Plans for primary treatment indicate the underdrain collection line flows West for a distance from the East side of the beds. Since the beds are draining to the river, there is a strong possibility that a change order may be required at the time of construction to move the location of the pump station.
3. The scum holding tank on the primary unit will be hand cleaned and disposed in a sanitary landfill. The operation to prevent freezing is addressed in O & M Manual.
4. The piping connecting the raw sludge line to the flow splitter box on the existing primary section plans should extend to the sludge draw-off box.
5. The additional air requirements of the new secondary section of the plant were taken into account by replacing an inoperable unit with one meeting the material specifications on page MS-27.
6. The two butterfly valves preceding the biological unit will be changed to gate valves.
7. The problem of air lifting sludge from final clarifiers causing splashing was addressed. The decision to put a "caution note" in the O & M Manual rather than a splash plate was selected.
8. The question of whether the centrifical type pump located in the control building was doing an adequate job of transporting raw sludge and if the additional length to the final clarifiers would pose any problems was presented.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Hoy Mobile Home Park I, Modification of Existing Facility

ARCHITECT OR ENGINEER: Eagle Engineering
P. O. Box 2366, Gillette, Wyoming 82716

WATER QUALITY DIVISION REFERENCE NUMBER: 76-245RR - Ref. 77-275R

REVIEWING ENGINEER: Roy E. Prior, P.E. *Roy E. Prior*

DATE OF REVIEW: January 6, 1978

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

- 1). The drawings and letter we received December 29, 1977 do not address the items asked for in our review of December 27, 1977. Please submit the information requested.
- 2). The drawings are not clear enough to determine the operations and flows of the system. Please submit this information.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Hoy Mobile Home Park I, Modification on Existing Facility

ARCHITECT OR ENGINEER: Eagle Engineering
P. O. Box 2366 - Gillette, Wyoming 82716

WATER QUALITY DIVISION REFERENCE NUMBER: 76-245R - REF 77-275R

REVIEWING ENGINEER: Roy E. Prior, P.E. *R. E. Prior*

DATE OF REVIEW: December 27, 1977

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

The plans as submitted do not contain the information required by Ten States Standards. You should submit all design calculations, detail drawings, manufacturers drawings and dimensions as required by Ten States Standards. These drawings are not consistent with the proposed facility submitted with Hoy Mobile Home Park II. Only one pump is shown in this drawing while two were shown in the other drawing. The facility should comply with Appendix A, Chapter III Regulations. Provide all information necessary to insure compliance with each item.

The above information was relayed verbally by telephone conversation with Mr. Patel, November 23rd. As of this date we have not received the additional information requested.

cc: Phillip Hoy, P. O. Box 1656, Gillette, Wyoming 82716

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Hoy Mobile Home Park

ARCHITECT OR ENGINEER: Plains Engineering, P.O. Box 117, Gillette, Wyoming 82716

WATER QUALITY DIVISION REFERENCE NUMBER: 76-245

REVIEWING ENGINEER: Tom Mueller, William L. Garland, P.E. *WLG*

DATE OF REVIEW: September 2, 1976

ACTION: Not Authorized for Construction, See Comments.

- COMMENTS:
1. Details and specifications for the lift station at manhole A-1 shall be provided.
 2. Percolation rates and ground water depths shall be provided for the leach field.
 3. The septic Tank manholes shall be 20" in the least dimension.
 4. What construction material is to be used for the septic and water storage tanks?
 5. For the water storage tank, complete construction details must be supplied or the appropriate AWWA specification must be included. The epoxy coating should be specified.
 6. The drain and overflow from the water storage tank shall terminate 18 inches above ground level in a screened, downward - facing elbow.
 7. In accordance with Ten State Standards "No pumping station shall be subject to flooding, Subsurface pumphrooms... should be avoided."
 8. Sizes of pumphroom plumbing shall be provided.
 9. Size and capacity specifications for the booster pump shall be provided.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Hoy Mobile Home Park

ARCHITECT OR ENGINEER: Plains Engineering, P.O. Box 117, Gillette, Wyoming 82716

WATER QUALITY DIVISION REFERENCE NUMBER: 76-245R

REVIEWING ENGINEER: ^{TRB} Terry R. Book, William L. Garland, P.E. *Frank R. Hamer for.*

DATE OF REVIEW: October 15, 1976

ACTION: Preliminary authorization given due to urgent need to start construction. Owner, Philip Hoy, has agreed by phone to make changes necessary to bring the water storage facility into compliance with regulations. The actual
COMMENTS: "Permit to Construct" will not be issued until the revised plans and specifications are submitted and approved.

cc: Mr. Philip Hoy, P.O. Box 1656, Gillette, Wyoming 82716

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 76-245R

Hoy Mobile Home Park
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Hoy</u> (Last)	<u>Philip</u> (First)	<u></u> (Middle)
<u>c/o Plains Engineering</u>		
<u>P.O. Box 117</u>		
(Street or P.O. Box)		
<u>Gillette</u> (City)	<u>Campbell</u> (County)	<u>Wyoming 82716</u> (State)

to construct, install, or modify a Water and Sewer
facility located in Section 4, T50N, R72W
(Legal Description)

in the County of Campbell, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

William P. Chas
Director
Wyoming Dept. of Environmental Quality

December 1, 1976
Date of Issuance

cc: Philip Hoy, P.O. Box 1656, Gillette, Wyoming 82716

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: English Avenue Sewer, North Platte Water and Sewer District,
Casper, Wyoming 82601

ARCHITECT OR ENGINEER: Clyde Dolan, P.E., Howard Needles Tammen & Bergendoff,
200 North Wolcott, Casper, Wyoming 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 76-247

REVIEWING ENGINEER: Jake Strohman, William L. Garland, P.E. *WLG*

DATE OF REVIEW: September 2, 1976

ACTION: Construction Not Authorized

COMMENTS:

Need letter of acceptance from Casper Board of Public Utilities.

Who should construction permit be made out to? Designing Engineer
should sign plans and specifications.

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 76-247R

English Avenue Water and Sewer Extension
(Name of Facility)

This permit hereby authorizes the applicant:

Howard Needles Tammen & Associates for:

North Platte Water and Sewer District

(Last) (First) (Middle)

200 North Wolcott

(Street or P.O. Box)

Casper Natrona Wyoming 82601

(City) (County) (State)

to construct, install, or modify a Water and Sewer Extension

facility located in Natrona County, Wyoming

(Legal Description)

in the County of Natrona, in the State of

Wyoming. This permit shall be effective for a period of 2 years

from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

William S. Jones

Director

Wyoming Dept. of Environmental Quality

November 17, 1976

Date of Issuance

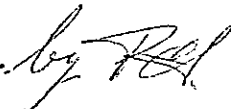
REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Mountain View Acres, Water Supply System, Riverton, Wyoming,
Fremont County

ARCHITECT OR ENGINEER: Jerald B. Crews, P.E., 450 South Federal Blvd.,
Tudor Engineering Company, Riverton, Wyoming 82501

WATER QUALITY DIVISION REFERENCE NUMBER: 76-248

REVIEWING ENGINEER: David W. Hill, William L. Garland, P.E. 

DATE OF REVIEW: September 9, 1976

ACTION: Not Authorized for Construction

COMMENTS:

- 1) The 4-inch PVC pipe shall meet AWWA standard C900-75 for "Polyvinyl Chloride (PVC) pressure pipe, 4-inch through 12 in. for water." PVC pipe with an SDR of 26 does not meet pressure class 160 under this standard. Reference to AWWA C900-75 shall be written into the specifications.
- 2) Water settled backfill shall not be used.
- 3) Please provide a detailed profile view of well No. 2. This is needed for an adequate review.
- 4) Provide more details (drawings and/or specifications) for the storage tank. (i.e. - vent, type of material, paint or coating used, etc.) If it is steel, it shall meet AWWA standards for steel water tanks.
- 5) More detailed information (drawings and/or specifications) is needed for the hydropneumatic tanks.
- 6) Provide well disinfection procedures.
- 7) Provide storage tank disinfection procedures.

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 76-248R

Mountain View Acres Water System
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Chopping</u>	<u>Porter</u>	
(Last)	(First)	(Middle)
<u>(Street or P.O. Box)</u>		
<u>Riverton</u>	<u>Fremont</u>	<u>Wyoming 82501</u>
(City)	(County)	(State)

to construct, install, or modify a Water System
facility located in _____
(Legal Description)

in the County of Fremont, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

William L. Galar
Director
Wyoming Dept. of Environmental Quality

November 29, 1976

Date of Issuance

cc: Jerald B. Crews, Tudor Engineering, P.O. Box 230, Riverton, Wyoming 82501

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 76-249

K-Mart #9074 Sewage System
(Name of Facility)

This permit hereby authorizes the applicant:

C & W Manhattan Associates

(Last) (First) (Middle)

P.O. Box 27416

(Street or P.O. Box)

Houston

Texas 77027

(City)

(County)

(State)

to construct, install, or modify a Evapotranspiration System

facility located in Section 22, T56N, R84W

(Legal Description)

in the County of Sheridan, in the State of

Wyoming. This permit shall be effective for a period of 2 years

from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

Frank R. Harman P.E.
for Director

Wyoming Dept. of Environmental Quality

September 17, 1976

Date of Issuance

PERMIT TO CONSTRUCT

☒ New

☐ Renewal

☐ Modified

Permit No. 76-250

Wyoming Peterbuilt - Fusselman Addition
(Name of Facility)


This permit hereby authorizes the applicant:

Tom McDill, P.E.
(Last) (First) (Middle)
Casper Board of Public Utilities, 136 W. 8th Street
(Street or P.O. Box)
Casper Wyoming 82601
(City) (County) (State)

to construct, install, or modify a Sewer Line Extension
facility located in _____
(Legal Description)

in the County of Natrona, in the State of
Wyoming. This permit shall be effective for a period of 5 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:


Director
Wyoming Dept. of Environmental Quality

September 10, 1976
Date of Issuance